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Yamauchi et al.

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(54) **METHOD AND SYSTEM FOR OPTIMIZING
BATCH PROCESS OF PREPARING
SOLUTION**

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(75) Inventors: **Shingo Yamauchi, Kanagawa (JP);
Shinichiro Kuwabara, Tokyo (JP)**

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(73) Assignee: **Fuji Photo Film Co., Ltd., Kanagawa
(JP)**

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(74) Attorney, Agent, or Firm—Sughrue Mion, PLLC

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(57) **ABSTRACT**

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(52) U.S. Cl. **141/9; 141/104; 141/105**

(58) Field of Search **141/1, 4, 9, 83,
141/100-105; 430/347, 567**

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Each of the batch processing lines has its exclusive one set material processing line independent from others and is operated according to the special algorithm which changes an amount to be prepared in the batch process in a few batches in the final stage of the downstream process based on a calculated total amount required by the downstream process to complete manufacturing. The method for preparing is capable of easily coping with the change of raw materials or prescriptions for the product without increasing or changing existing pipe lines or chemical liquid stock vessels and almost completely avoiding a waste of material.

11 Claims, 4 Drawing Sheets

